Applicant : Tal Isaac Lavian and Robert Jaeger   Attorney's Docket No.: 10360-056001 / BA0366CIP
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REMARKS

Claims 1-10 and 12-23 are pending. Claims 1, 3, 5-6, 8, 12-14, 18 and 20-21 have been amended. Please cancel claim 11 without prejudice. Claims 22 and 23 are newly submitted. The specification has been amended to correct typographical errors. No new matter has been added. Reconsideration is respectfully requested in view of the amendments to the claims and the following remarks.

I.   Drawings

The drawings were objected to as containing a reference sign – 1100 – not mentioned in the description of the specification. The applicant has amended the specification to include a reference to reference sign 1100.

II.   Specification

The title of the invention has been cited as "not descriptive." The applicant has amended the title to read "A Programmable Command-Line Interface API For Managing Operation of a Network Device". The applicant respectfully submits that the new title is descriptive of the invention.

III.   Claim Objections

Claim 3 was objected to based on an informality. The application has amended the language of claim 3 to be consistent with that of claim 2, as suggested by the Examiner.

IV.   Allowable Subject Matter

Claims 8-10 and 12 were objected to as being dependent upon a rejected base claim. The applicant has amended claims 8 and 12 to include all the limitations of corresponding base claims and any intervening claims. Claims 9-10 depend from claim 8.

The applicant respectfully submits that claims 8-10 and 12 are in condition for allowance.

V.   The § 102 Rejections

Claims 1, 5-6, 13-16 and 18-20 were rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,625,590 ("Chen").

Claim 1, as amended, recites providing a command-line interface application programming interface (CLI-API) compatible with a command-line interface (CLI) of the

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network device. The command-line interface application programming interface generates at least one command-line interface command (compatible with the CLI of the network device) in response to receiving instructions from an application.

Such an interface has a potential advantage of permitting an application – e.g., a network management application – to develop sophisticated operations to be performed on a network device. (Specification, page 16, lines 24-26).

As described in the specification at page 16, lines 21-24, access to a conventional command-line interface (CLI) on a network device typically occurs through a user entering CLI commands through a terminal connected to the network device.

Chen describes such a conventional command line interface, disclosing the use of a operator console 62 (FIG. 2) for accessing a Unified Command Interface (UCI). The operator console 62 receives commands from a user for creating, updating, retrieving, and storing network management information on a network device (Col. 2, ll. 48-51).

Chen fails to disclose providing <u>a command-line interface application programming interface (CLI-API)</u> compatible with a command-line interface (CLI) of the network device, in which the command-line interface application programming interface generates at least one command-line interface command (compatible with the CLI of the network device) in response to receiving instructions from an application. While Chen discloses a Unified Command Interface that is capable of receiving commands, Chen fails to disclose a command-line interface application programming interface (CLI-API) that is operable to generate one or more commands for the Unified Command Interface. In general, Chen's command line interface (UCI) is not equivalent to the applicant's command-line interface application programming interface (CLI-API). Rather, the applicant's CLI-API is configured to work with such a command line interface as disclosed by Chen.

The applicant respectfully submits that claim 1 is allowable over Chen.

Claims 5 and 22-23 depend from claim 1 and are allowable over Chen for at least the reasons set forth with claim 1.

Claim 6 recites a system that includes an application-enabled network device capable of executing applications that use a command-line interface application programming interface (CLI-API) to generate one or more commands compatible with a command line interface (CLI) of a non-application enabled network device. Claim 6 is allowable over Chen for similar reasons as set forth above with claim 1.

Claims 13 recites receiving an application having instructions compatible with a command-line interface application programming interface (CLI-API). The command-line interface application programming interface is configured to work with a command-line interface (CLI) of the network device. Claim 13 is allowable over Chen for similar reasons as set forth above with claim 1.

Claims 14-16 depend from claim 13 and are allowable over Chen for at least the reasons set forth with claim 13.

Claim 18 recites an apparatus that includes an application-enabled network device having instructions compatible with a command-line interface application programming interface (CLI-API), in which the CLI-API is configured to work with a command line interface (CLI) of a non-application enabled network device. Claim 18 is allowable over Chen for similar reasons as set forth above with claim 1.

Claims 19 and 20 depend from claim 18 and are allowable over Chen for at least the reasons set forth with claim 18.

VI.   The § 103 Rejections

Claims 2-3, 4, 7, 17 and 21 were rejected under 35 U.S.C. § 103(a) as being upatentable over Chen in view of U.S. Patent No. 6,665,714 ("Blumenau").

Claims 2-3 and 4 incorporate the limitations of claim 1.

Claim 7 incorporates the limitations of claim 6.

Claim 17 incorporates the limitations of claim 13.

Claim 21 incorporates the limitations of claim 18.

Putting aside the issue of whether Blumenau discloses the limitations of claims 2-3, 4, 7, 17 and 21, it is clear that Blumenau fails to disclose a command-line interface application

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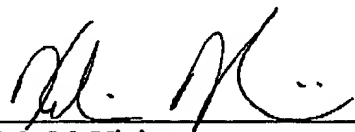Filed   : December 29, 2000
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programming interface (CLI-API) compatible with a command-line interface (CLI) of a network device. Instead, Blumenau discloses only a user interface that communicates with a database to manage the availability and assignment of data in a storage system (see Abstract).

The applicant respectfully submits that claims 2-3, 4, 7, 17 and 21 are allowable over the combination of Chen and Blumenau.

Please charge the fee of $104 for excess claims to Deposit Account No. 06-1050. Please apply any other charges or credits to deposit account 06-1050.

Respectfully submitted,

Date: 08-18-04

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